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**United States Patent** [19][11] **Patent Number:** **5,358,910****Atwell et al.**[45] **Date of Patent:** **Oct. 25, 1994**[54] **POROUS SILICON CARBIDE CERAMICS  
USING FILLED POLYSILOXANES**[75] **Inventors:** **William H. Atwell; Chandan K. Saha;  
Gregg A. Zank**, all of Midland, Mich.[73] **Assignee:** **Dow Corning Corporation**, Midland,  
Mich.[21] **Appl. No.:** **122,985**[22] **Filed:** **Sep. 20, 1993****Related U.S. Application Data**[62] **Division of Ser. No. 55,892**, May 3, 1993, Pat. No.  
5,283,019.[51] **Int. Cl.<sup>5</sup>** ..... **C04B 35/56**[52] **U.S. Cl.** ..... **501/88; 501/80;**  
501/90; 501/85[58] **Field of Search** ..... 501/88, 80, 90, 85[56] **References Cited****U.S. PATENT DOCUMENTS**

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*Primary Examiner*—Mark L. Bell*Assistant Examiner*—C. M. Bonner*Attorney, Agent, or Firm*—Roger E. Gobrogge[57] **ABSTRACT**

The preparation of porous ceramic bodies by sintering certain curable organopolysiloxanes filled with silicon carbide powders. This process is advantageous in that the green bodies have relative high strengths and thus can be easily handled and, if desired, machined before sintering.

**1 Claim, No Drawings**